**EAST Search History**

**EAST Search History (Prior Art)**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| S1 | 216 | (rogers-d$).xa. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/09/14 23:38 |
| S2 | 38 | ("1870512" \| "1870512" \| "2810836" \| "20040231440" \| "2810836" \| "3501942" \| "3521966" \| "3521967" \| "3501942" \| "3521966" \| "3521967" \| "4807247" \| "4817447" \| "4995273" \| "4807247" \| "4817447" \| "4995273" \| "6533452" \| "6720562" \| "6872936" \| "6946652" \| "6990868" \| "6533452" \| "6720562" \| "6872936" \| "6946652" \| "6990868").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/09/15 00:02 |
| S3 | 25 | ("2225140" \| "3301039" \| "3828605" \| "3893330" \| "4813266" \| "5107448").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/09/15 23:36 |
| S4 | 80170 | friction.ti. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/09/15 23:36 |
| S5 | 950 | (measur$4 near3 friction).ti. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/09/15 23:37 |

| S6 | 896 | (73/9).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | OFF | 2007/09/15 23:37 |
| S7 | 2 | S5 and ramp | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/09/15 23:37 |
| S8 | 18 | S6 and ramp | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/09/16 21:19 |
| S9 | 221 | S6 and wheel | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/09/16 21:18 |
| S10 | 2200 | ((measur$4 determin$4) with friction).ti. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/09/16 21:22 |
| S11 | 11 | S10 and ramp | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/09/16 21:19 |
| S12 | 280 | S10 and (slide slides sliding) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/09/17 09:17 |
| S13 | 216 | (rogers-d$).xa. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/09/17 09:17 |
| S14 | 17 | (("3828605") or ("4813266") or ("2225140") or ("3893330")).PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | OFF | 2008/02/01 13:18 |
| S15 | 2 | (DE-4201124-$).did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2008/02/01 13:22 |
| S16 | 0 | (gb-1090828-$).did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2008/02/01 13:23 |
| S17 | 901 | (73/9).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | OFF | 2008/02/01 13:27 |
| S18 | 4 | S17 and ((hydrodynamic "hydro-dynamic") with (film thickness)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2008/02/01 13:29 |

| S19 | 18 | (US-20010047679-$).did. or (US-6860139-$ or US-7117716-$ or US-5245856-$ or US-4315426-$ or US-4187714-$ or US-4003241-$ or US-6612151-$ or US-6145382-$ or US-5107448-$ or US-3975940-$ or US-4594878-$).did. or (US-3301039-$ or US-2225140-$ or US-2018688-$).did. or (JP-2001296239-$ or JP-54153088-$).did. or (JP-2001296239-$).did. | US-PGPUB; USPAT; USOCR; JPO; DERWENT | OR | ON | 2008/02/01 15:35 |
|-----|-----|-----|-----|-----|-----|-----|
| S20 | 9 | S19 and wheels | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2008/02/01 15:35 |
| S21 | 145 | wheels with axle with locked with together | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2008/02/01 15:37 |
| S22 | 0 | wheels with axle with simulataneous with turning | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2008/02/01 19:20 |
| S23 | 0 | wheels with axle with simulananeous with turning | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2008/02/01 19:21 |
| S24 | 1440685 | wheels locked with axle | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2008/02/01 19:28 |
| S25 | 1997 | wheels with locked with axle | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2008/02/01 19:28 |
| S26 | 62 | S25 and toy | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2008/02/01 19:28 |
| S27 | 505 | wheels with locked with straight | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2008/02/01 19:42 |

| S28 | 7 | S27 and toy | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2008/02/01 19:42 |
|---|---|---|---|---|---|---|
| S29 | 901 | (73/9).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | OFF | 2008/02/01 19:48 |
| S30 | 18 | S29 and ramp | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2008/02/01 19:48 |
| S31 | 202844 | S29 and ramp incline | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2008/02/01 19:48 |
| S32 | 29 | S29 and ( ramp incline) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2008/02/01 19:48 |
| S33 | 222 | S29 and (wheel) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2008/02/01 19:51 |
| S34 | 8 | S29 and (slip$3 with floor) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2008/02/01 19:57 |
| S35 | 561 | S29 and (slip$3 surface) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2008/02/01 19:58 |
| S36 | 88 | S29 and (slip$3 with surface) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2008/02/01 19:58 |
| S37 | 2 | ("5842292").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | OFF | 2008/02/11 09:45 |
| S38 | 167 | (rolling near4 friction) with (test$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/01/30 23:32 |
| S39 | 7 | ("3301039" \| "4130008" \| "4662211" \| "4909073" \| "6427519" \| "6463784").PN. OR ("7117716").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/01/30 23:49 |

| S40 | 2 | (jp-2001296239-$).did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/02/02 08:57 |
| S41 | 918 | (73/9).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | OFF | 2009/02/02 11:31 |
| S42 | 330 | S41 and (roll rolling rolled slip$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/02/02 11:32 |

## EAST Search History (Interference)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L1 | 552 | (73/9).CCLS. | US-PGPUB; USPAT; UPAD | OR | OFF | 2009/07/20 08:45 |
| L2 | 217 | 1 and (roll rolling rolled slip$4) | US-PGPUB; USPAT; UPAD | OR | ON | 2009/07/20 08:45 |
| L3 | 108 | 2 and wheel | US-PGPUB; USPAT; UPAD | OR | ON | 2009/07/20 08:45 |
| L4 | 136 | 2 and (roller wheel) | US-PGPUB; USPAT; UPAD | OR | ON | 2009/07/20 08:45 |

**7/20/09 8:47:36 AM**
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